

Orienting Remarks

The following text was extracted from the Wayback Machine capture of the Energetics Technologies website as of 2009. Regrettably, many assets were missing from the Wayback Machine capture. These include CSS and Javascript assets whose absence rendered the captured website unviewable.

What follows is a reconstruction of the text of the website. Images, PDFs and videos were not available.

Each bolded heading is a page name and the text that follows is the content of that page.

For more information, please visit:

<https://www.iscmns.org>

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image “Cold Fusion Is Hot Again”

CBS News Magazine “60 Minutes” profiles Energetics Technologies in a report on recent breakthroughs in Cold Fusion.

[Click here to watch the report.](#)

Image “Disrupting the Status Quo”

U.S. Dept of Energy accepting energy R&D proposals to ‘disrupt the status quo’.

[Click here to read the story.](#)

Image “Retooling Detroit For A Renaissance”

Huffington Post talks about Energetics Technologies “pioneering research” as a potentially affordable, limitless and clean energy source.

[Click here to read the story.](#)

Image “U.S. Seeks Disruptive Energy Technologies”

The Pentagon’s Defense Advanced Research Project Agency (DARPA) funds independent replication at other labs of Energetics Technologies experiments.

[Click here for the full story.](#)

Image “PES’ Free Energy Now”

Radio interview with the scientists involved in the breakthrough research and replication successes featured on “60 Minutes”.

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Image “Advances In Cold Fusion Research”

Dr. Irving Dardik and Dr. Michael McKubre discuss the recent advances in LENR that are now sparking renewed promise and focus.

[Click here to listen.](#)

Welcome to Energetics Technologies

SuperWave™ Fusion is a pioneering technology that current research suggests may prove to be a revolutionary approach to the generation of clean, abundant energy. This technology appears to produce an astonishing 25 times more energy output than the energy required to produce it.

Imagine a clean technology that promises to produce cost effective energy without having to rely on fossil fuels or access to wind or sunlight.

Energetics Technologies is the innovative company offering this historic breakthrough that could result in a dramatic increase in energy availability when compared to fossil fuels, wind, hydroelectric, and solar technologies. Energetics Technologies opened the doors on its research laboratory in January 2002 to apply a new principle fundamental excitation concept to electrolytic cell operation and began obtaining excess heat in an electrolytic cell within 6 months.

The next step was to validate the research through independent replication, one of the hallmarks of breakthrough science and technology. That was achieved by two world-class laboratories, SRI International (formerly Stanford Research Institute) of Menlo Park, California, and ENEA, the Italian National Agency for New Technologies.

Now, with the eyes of the world focused on the promise of a new era in clean energy, Energetics Technologies stands ready to lead the way.

This is their story. This is our future.

Want to Know More?

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ABOUT US

Energetics Technologies laboratory facility in Israel.

Energetics Technologies began work on SuperWave™ Fusion in 2001 with the goal of revolutionizing the energy sector. Based on Dr. Irving Dardik's application of his SuperWaves™ Principle, Energetics Technologies has developed a groundbreaking, proprietary technology called SuperWave™ Fusion. Over seven years of research at our state of the art facility in Israel places us on the product development path for introducing our revolutionary technology to the marketplace - and to changing the world.

Energetics Technologies will be establishing early strategic partnerships with world renowned research laboratories, commercial builders and strong contracted service support operations to help increase early and widespread adoption of Energetics Technologies products.

ABOUT COLD FUSION

Cold Fusion is a Low-Energy Nuclear Reaction (LENR) occurring at near room temperature and pressure using relatively simple and low-energy-input devices to produce excess energy. When Albert Einstein devised his now famous formula $E=mc^2$ he realized that a tiny amount of mass could produce extraordinary amounts of energy, thereby mimicking the sun's energy production mechanism of fusion. Some 40 years later, scientists began attempting "hot" fusion, which requires extreme temperatures and pressures found inside stars. This research is still underway. In the 1980's, scientists also began investigating "cold" fusion, which unlike the Sun's "hot" fusion, does not require extreme temperature and pressure to achieve.

Cold fusion appears to be the fusion, or combining of nuclei of a naturally found hydrogen isotope called Deuterium. This fusing of Deuterium results in the release of excess heat. The major product of this reaction is an isotope of helium called helium-4 which is harmless and found throughout nature. One helium-4 nucleus is produced from the fusion of two Deuterium nuclei, although this appears to occur as a "many-body process" instead of "hot" fusion, where two isolated Deuterium nuclei fuse. Helium-4 nucleus is slightly less massive than the two Deuterium nuclei that combined to form it, so the difference in mass is converted to energy in the form of heat.

While cold fusion creates no dangerous by-products, it is, nevertheless often confused with both the "hot" fusion process found inside stars, and nuclear fission, the splitting of heavy nuclei used in atomic weapons and mainstream nuclear power. A nuclear fission reaction leaves behind harmful radioactive waste products. These misconceptions are just a few of the uphill battles that cold fusion researchers have had to face in their pursuit for a safe and plentiful source of new energy.

THE PROCESS

SuperWave™ Fusion is an excess-heat producing reaction created by a SuperWave™-induced interaction of palladium and deuterium. Click on the video to view an animation depicting how this process is believed to work.

This energy producing interaction is driven by a complex, nested, “waves-waving-within-waves” signal discovered by the company’s Chief Visionary Officer, Dr. Irving Dardik. In the current apparatus, this proprietary SuperWave™ signal is delivered via an electric current to a custom module containing a palladium cathode and D₂O (deuterium instead of hydrogen in the water molecule). The end result is the release of energy as the deuterium atoms disassociate from the heavy water and load into the palladium lattice, allowing their wave-based energy structures to interact. The principal outputs from this interaction are heat and apparently small quantities of ⁴He, a non-radioactive isotope of Helium. Research to verify the ⁴He is currently underway.

Energetics Technologies’ SuperWave™ Fusion has the potential to:

- Provide an inexpensive, inexhaustible fuel source
- Produce no significantly measurable hazardous by-products
- Revolutionize the concept of energy production
- Be a groundbreaking Green Energy source

SuperWave™ Fusion Electrolytic Cell combined with Ultra Sound Excitation

THE FUTURE?

Energy prices increased across the board between the fall of 2001 and the summer of 2008. The best chronicled increase has been crude oil prices, which have repeatedly set record highs since 2001, soaring 341 percent. This has in turn raised utility prices to record heights. During this period, the cost of heating a home or businesses has increased an incredible 250 percent.

These trends are a new reality of global energy markets, and promise to continue into the foreseeable future. Price increases are rooted in the geopolitical and economic turmoil that characterize this rapidly changing world. The most influential factor in this equation has been rising energy demands worldwide. Developing nations are seeking additional resources to power their growth, as they attempt to rapidly modernize and join the global economy. The U.S. Department of Energy projects oil consumption by non-OECD countries will increase by 1.3 million barrels per day over the coming year alone. China is the most significant example, with its 1.3 billion citizens using more energy each year. Over the past 5 years alone, China's consumption has risen more than 48 percent.

The combination of shrinking, high-cost energy resources, steadily increasing demands for energy, and the need for cleaner sources of energy has driven a major boom in worldwide alternative energy source development in the 21st century.

Conventional Nuclear Energy is seeing the single biggest expansion in its use around the world, with extremely high usage in France, a recently announced rapid growth plan for its use in the United Kingdom, and increasing proposals for expansion of its use in the United States. The problems with nuclear fission are concerns about mega-accidents, hazardous by-products, and the proliferation of nuclear weapons.

Hydroelectric and geothermal power options are also increasing in use. Although they are "clean" sources and relatively inexhaustible, the need to distribute power at further and further distances from the original power generation sites make these unlikely as true, long-term options for the world's growing energy demands.

The use of biofuels and biomass burning, instead of fossil fuels as an alternative energy solution, is growing as well. These are, unfortunately, often even less efficient in their conversion of fuel to energy than the fossil fuels they are replacing, and the challenge of planting and harvesting these crops on a large scale are also proving significant. In addition, a number of recent analysts have identified the full systems challenge of creating biofuels in sufficient quantities to be a long-term viable energy source. Quantifying the actual true energy payback after planting, harvesting, conversion and distribution, along with the ultimate end efficiencies, make the prospects for this category an unattractive alternative, as noted in a Time Magazine cover story on April 7, 2008..."...the world is still going to be fighting an uphill battle until it realizes that right now, biofuels aren't part of the solution at all. They're part of the problem."

RESEARCH

SuperWave™ excitation pattern fed to the electrolytic cells.

With over six years of well-funded development, Energetics Technologies has the most extensive and respected research in the field of LENR (Low Energy Nuclear Reaction), or what is often referred to as “the Fleishmann-Pons Effect.” Two laboratories, SRI (formerly Stanford Research Institute International, Menlo Park, CA), and ENEA (the Italian National Agency for New Technologies, Energy and the Environment, Frascati, Italy), have replicated the SuperWave™ Fusion experiments. Additionally, the U.S. Naval Research Laboratory (NRL) and the University of Rome’s optical laser analysis group (La Sapienza campus, Rome Italy), have analyzed the palladium foils to characterize the effects of SuperWave™ stimulation. Collectively, these groups are accelerating cooperative efforts with Energetics Technologies to take the research to an even higher level.

Energetics Technologies’ proprietary SuperWave™ Fusion has already demonstrated the production of extraordinary amounts of excess heat. The SuperWave™ driven cells have generated OVER 25 times (2,500%) the amount of energy that was used to operate the system.

At the present time, using the approaches described above, and thanks in large part to these unique relationships, Energetics Technologies is able to produce excess heat in a significant percentage of the experiments. Extraordinary breakthroughs have been accomplished, backed by tested reproducibility through the multiple independent channels of SRI, and ENEA. With proof of principle, it is now time to accelerate the work, leading to the commercialization of this promising technology.

REPLICATION

Replication in independent laboratories is the cornerstone to corroborating advancements in science and breakthrough technology. Independent replication is an absolute must, especially given the controversial history of cold fusion.

In 2004, SRI International, Menlo Park, CA (formerly Stanford Research Institute) approached the Energetics Technologies team and presented the opportunity for an independent replication experiment in the SRI laboratories. Simultaneously, ENEA, the Italian National Agency for New Technologies, Energy and the Environment, in Frascati, Italy, began designing its own replication experiments using SuperWave™ technology.

In a recent profile of Energetics on the CBS News magazine, 60 Minutes, entitled ‘Cold Fusion is Hot Again’, viewers may have been left with the perception that each of the three laboratories conducted their own research. What wasn’t made clear is that Energetics Technologies pioneered the LENR process profiled on the program, which was then successfully replicated by both SRI and ENEA.

In 2005, DARPA, the Defense Advanced Research Projects Agency of the United States Government, funded SRI, to begin the detailed, meticulous work of replication.. Using the proprietary experimental apparatus and procedures developed by Energetics Technologies research group, both SRI and ENEA demonstrated beyond any doubt that the results of Energetics Technologies laboratories in Israel, were in fact, reproducible.

60 Minutes obtained an internal document from DARPA, which according to the broadcast, “concludes that there is ‘no doubt that anomalous excess heat is produced in these experiments’”. The DARPA memorandum specifically referred to the results of the DARPA-funded SRI replication, and to the ENEA replication of the research pioneered by Energetics Technologies. 60 Minutes also brought Rob Duncan, Vice Chancellor of Research at the University of Missouri, to the Energetics Technologies laboratory in Israel, where Professor Duncan concluded, “I found that the work done was carefully done, and that the excess heat, as I see it now, is quite real.”

Publications on Replication of Energetics Technologies’ Experiments:

M. C. H. McKubre, F. L. Tanzella, I. Dardik, A. El Boher, T. Zilov, E. Greenspan, C. Sibilia and V. Violante, Replication of Condensed Matter Heat Production American Chemical Society Low Energy Nuclear Reactions Sourcebook, ISBN 978-0-8412-6966-8, August 2008.

M. C. H. McKubre, The Importance of Replication, Proc. of the ICCF-14 International Conference on Condensed Matter Nuclear Science, Washington, DC.
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V. Violante, F. Sarto, E. Castagna, M. McKubre, F. Tanzella, G. Hubler, D. Knies, K. Grabowski, T. Zilov, I. Dardik and C. Sibilia, Joint Scientific Advances in Condensed Matter Nuclear Science in 8th International Workshop on Anomalies in Hydrogen / Deuterium Loaded Metals, Catania, Sicily, Italy, October 2007.

DOCUMENTATION

The following images taken with an electron microscope show the surface structure of the palladium foils used in the cathode of the SuperWave™ Fusion process both before and after the reaction.

Before Electrolysis:

Figure 1-A

Figure 1-B

Figure 1-C

Figure 1-D

Figure 1 - The polycrystalline structures of the Palladium foils of the cathode after the rolling and annealing procedures prior to starting the SuperWave™ Fusion process. Note: the impressive collection of slip bands seen in fig.1-d is the consequence of deep plastic deformation of Pd during rolling in the specific conditions.

After Electrolysis:

Figure 2-A

Figure 2-B

Figure 2-C

Figure 2-D

Figure 2-E

Figure 2 - Note the strong plastic deformation of Palladium owing to deuterium absorption during electrolysis can be seen distinctly. Surface mass-transfer results in growth of so called negative (2-a) and secondary Palladium crystals (2-b, c) are clearly visible. Evidence of cratering with Palladium melting indications is also visible (2-d). The honey-comb structure visible (2-e) is typical of the Palladium cathode after electrolysis combined with ultra-sound excitation. The white ball in the center of the image (2-e) is quartz as the result of chemical transformation of silicate-containing admixtures present in the original metal foil.

PUBLICATIONS

On Cold Fusion:

Energetics Technologies' paper as presented in 2008 at ICCF-14, the International Conference on Condensed Matter Nuclear Science.

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Energetics Technologies' paper as presented in 2005 at ICCF-11, the International Conference on Condensed Matter Nuclear Science.

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M. C. H. McKubre, F. L. Tanzella, I. Dardik, A. El Boher, T. Zilov, E. Greenspan, C. Sibilia and V. Violante, Replication of Condensed Matter Heat Production American Chemical Society Low Energy Nuclear Reactions Sourcebook, ISBN 978-0-8412-6966-8, August 2008.

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Dardik, I. (2005). Superwave Reality. Proceedings of ICCF 11, Marseilles, France, 18 July 2005.

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On Application of SuperWaves™ in Biological and Physiological Systems

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Dardik, I., Stefano, G. B., Prevot, V., & Cadet, P. (2001). Vascular pulsations stimulating nitric oxide release during cyclic exercise may benefit health: A molecular approach. *International Journal of Molecular Medicine*, 119-129.

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Dardik, I., Reisman, S., & Petrock, A. M. (2001). Total wavelet entropy analysis of cyclic exercise protocol on heart rate variability. Department of Biomedical Engineering, New Jersey Institute of Technology, Newark, NJ.

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Dardik, I. (1997). The origin of disease and health, heart waves: The single solution to heart rate variability and ischemic preconditioning. *Frontier Perspectives*, 6(2), 18-31.

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DR IRVING DARDIK

Dr. Irving Dardik is a true maverick and a thinker of vast proportions. His background includes an illustrious career as a vascular surgeon, almost a decade of work with the U.S. Olympic Committee's Sports Medicine Council (which he founded), an award-winning career as an amateur sprinter, and the culmination of all of this – Dardik's formulation of the SuperWave Principle.

As a competitive sprinter throughout high school and college, Dardik decided to forgo ambitions of becoming an Olympic sprinter and instead attended Hahnemann Medical College in Philadelphia, following his undergraduate studies at the University of Pennsylvania – where he had been Captain of the track team. Dr. Dardik spent two years as a resident at Morrisania Hospital in East Harlem, New York and did his surgical residency at the Montefiore Medical Center in New York City.

In 1972, early in his medical career and while in private practice as a vascular surgeon, Dr. Dardik invented the Dardik Biograft™, a vascular bypass graft that uses tissue from the umbilical cord. Told by his superiors that this would never work, Dardik persisted and within years the procedure was being performed by surgeons around the world and, to date, has helped tens of thousands of people. This innovative technique earned Dr. Dardik the American Medical Association's most prestigious award for research, the Hektoen Gold Medal, in 1977.

Throughout his medical career, Dr. Dardik held professorial positions at the Montefiore College of Medicine (New York), Albert Einstein College of Medicine (New York) and at the University of Medicine and Dentistry of New Jersey. Dardik was also a Senior Research Scientist at New York University's LEMSIP laboratory. He has been published in a wide variety of medical journals including the Journal of the American Medical Association, the American Journal of Surgery, the American Journal of Gastroenterology, Archives of Surgery, the Journal of Medical Primatology, Annals of Surgery, American Surgeon, and the International Journal of Cardiovascular Surgery. Dardik's passion for athletics coupled with his medical experience, led him to return to the world of sports in 1978 – this time as the Founding Chairman of the U.S. Olympic Committee's Sports Medicine Council. Through his experiences with the Olympics and Olympic athletes over the next seven years, Dr. Dardik would continue to make observations that led to his formulation of the SuperWave Principle. However, the triggering event on this front was the unexpected exercise-induced death of his close friend, Jack Kelly, a former Olympic athlete and President of the U.S. Olympic Committee. Dardik was determined to figure out why his friend had died and to discover the relationship between exercise and sudden death. Mr. Kelly's death came shortly after the well-known runner, Jim Fixx, had also died under similar circumstances. Dr. Dardik resigned from the Olympic Committee and his surgical practice, and devoted his time to studying the body's physiological variability.

And so began years of intensive interdisciplinary research – the result of which was Dardik's SuperWave Principle and his related LifeWaves program, which uses exercise and passive recovery as a means of increasing heart rate variability. During this time, and as Dr. Dardik continued to refine and disseminate his ideas, he received attention and interest from health care professionals and researchers who offered assistance in the testing and delivery of Dr. Dardik's LifeWaves program.

In March of 1991, New York Magazine featured a cover story on Dr. Dardik entitled "Making Waves: Can Dr. Irv Dardik's Radical Exercise Therapy Really Work Miracles?" At the time, Dardik had refined his LifeWaves program and had been using it successfully with people with a variety of disorders. The New York Magazine article reported some success stories, including that of a patient with multiple sclerosis. Dardik received thousands of inquiries as a result of this story, including one from a woman who had been diagnosed with multiple sclerosis and told by her doctors that she

would never walk again. In less than a year on Dardik's program she did indeed walk again – an event that was so remarkable that it received press coverage. However, after she discontinued participation in Dardik's program her progress reversed, an event which led her to take Dr. Dardik to the New York State Board of Medical Conduct, which ultimately revoked Dardik's license for failure to keep proper medical records and for allegedly promising a “cure.” This was despite the fact that all of Dardik's clients on the program had signed an agreement that explicitly stated that there was no guarantee of a cure and that the program was still experimental.

But Dr. Dardik has persisted, despite setbacks. In 2008, he was awarded the Giuliano Preparata Medal, the highest honor in recognition of pioneering research in condensed matter nuclear science. Now, with the application of the SuperWaves Principle leading to the historic breakthrough in Low-Energy Nuclear Reaction (LENR) via SuperWave Fusion, he has proven the clarity of his vision - a vision that stands at the brink of changing the world.

OUR TEAM

Irving Dardik, MD, Chief Visionary Officer and Co-Founder

Dr. Dardik, with a career of over 40 years investigating the wave nature of living systems and energy, is the inventor of the critical and proprietary SuperWave™ excitation technology that is central to the achievement of Energetics Technologies. As a Chief Visionary Officer Dr. Dardik guided the development of the SuperWaves™ patterns and their applications to the Energetics Technologies experiments. He is the lead-author of all the Energetics Technologies SuperWave™ Fusion related papers and holds numerous patents related to the applications of SuperWaves™ in various and diverse fields.

Prof. Herman Branover, Ph.D., DSc, Chief Scientist and Co-Founder of Energetics Technologies Ltd., Omer, Israel

Prof. H. Branover is a world-renowned expert in the field of theoretical and applied magnetohydrodynamics with a long-standing experience in theoretical and experimental physical researches in hydrodynamics, turbulence, power generation and conversion including their most advanced methods. He got his PhD in Technical Sciences from Moscow Aviation Institute and DSc in Physical and Mathematical Sciences from Leningrad Polytechnic Institute. In 1971 he got the title of a Full Professor from the Ministry of Higher Education of the USSR. Since 1973 - Professor at the Department of Mechanical Engineering, Ben-Gurion University of the Negev (today – Professor Emeritus), Lady Davis Professor of Magnetohydrodynamics, Professor of New York University, Foreign Member of Russian and Latvian Academies of Sciences. He is a founder of the Center for MHD Studies of the Ben-Gurion University of the Negev and Joint Israeli-Russian Laboratory for Energy Research, Ben-Gurion University of the Negev, Beer-Sheva, Israel, which are widely recognized in scientific community, and has been heading them for many years, along with a number of R&D companies known for their advanced developments. He is the author of 7 books and more than 250 scientific publications and holds around 25 patents.

Alison Godfrey, CEO and Co-Founder

Ms. Godfrey has over 30 years experience in a variety of positions in marketing and business development at Medtronic, Johnson & Johnson, and MESCO, launching several successful startup companies, including Quantum Life Systems, Inc. (a heart rate monitor distribution business), LifeWaves International, Inc. (a proprietary health and prevention program company), and Energetics Technologies, Inc. She currently serves as the CEO of both LifeWaves and Energetics Technologies. Ms. Godfrey has held the position of CEO of Energetics Technologies, Inc., since the

company's inception in 2001. From the beginning, she has been the critical resource for the company, guiding overall top-level direction for all research and strategic partnership development for Energetics Technologies and the SuperWave™ Fusion technology areas.

Shaul Lesin, Ph.D., General Manager and Co-Founder of Energetics Technologies, Ltd, Omer, Israel

Dr. Lesin has wide-ranging experience in leading technology groups for over thirty years, with recent specialization in advanced technology development and research in energy, metallurgy, and advanced thermodynamic/heat transfer systems. He has held the position of General Manager of Energetics Technologies, Ltd, the research and development arm of Energetics Technologies, Inc, since 2001. He holds B.Sc. and M.Sc. degrees in Mechanical Engineering from Ben-Gurion University, plus a Ph.D. in Chemical Engineering from Ben-Gurion University as well. He is the author of over 50 technical papers and inventor of 7 patents, granted and 20 pending.

Arik El-Boher, Ph.D. - Deputy General Manager of Energetics Technologies Ltd. Of Omer, Israel

Dr. El-Boher has the overall responsibility for the SuperWave™ Fusion R&D program. Dr. El-Boher is a noted leader in the fields of energy and MHD. He received a PhD from Ben-Gurion University in 1987. Between 1981 and 1991, he was with Solmecs, first as project manager of the Liquid Metal MHD power conversion systems development research program and later managing R&D projects in the field of energy. From 1991, Dr. El-Boher served as the Managing Director of the technology incubator at Ofakim, where he gained experience in applying his entrepreneurial skills to the requirements of hi-tech start up companies. In 1992, he became CEO of Ontec, a company focusing on the development and commercialization of several MHD-based technologies, having responsibility for overall management, marketing, financing and the raising of capital. Between 1997 and 2001, Dr El-Boher held the position of CEO at Gavish, a company commercializing technologies for growing and processing sapphire monocrystals. He is the author of over 70 papers and inventor of 8 patents, granted and pending.

Tanya Zilov, Electrochemical Research, Energetics Technologies Ltd. Of Omer, Israel

Ms. Zilov is a highly experienced Electrochemist, holding an MA from the Mendeleyev Chemical - Technological Institute in Moscow. She gained 13 years research and practical experience in Russia. Prior to joining Energetics in 2001, she worked with three Israeli high technology companies in the development and application of finishing processes for passive electronic components and in the research of electrochemical polymerization of conductive polymers. Ms. Zilov has authored 15 publications and holds 6 patents

CONSULTANTS

Ehud Greenspan, Ph.D., - Consultant

Dr. Greenspan is currently Professor-in-Residence in the Nuclear Engineering Department at the University of California, Berkeley. He received his Ph.D. in Nuclear Science and Engineering from Cornell University and during a career spanning almost 40 years he has held a series of senior scientific and academic positions both in Israel and the US. He has extensive research experience in the conception, design, and analysis of a wide variety of fission and fusion nuclear energy systems. He has over 400 publications to his credit.

PRESS RELEASES

In a landmark broadcast on Sunday, April 19, 2009, CBS News Magazine, '60 Minutes', profiled the breakthrough research accomplished by Energetics Technologies LLC in the field of Low Energy Nuclear Reaction (LENR), historically referred to as 'Cold Fusion.'

The broadcast aired near the 20th Anniversary of the 'Fleischmann/Pons' announcement, when two researchers from the University of Utah claimed a breakthrough in Cold Fusion to great, public fanfare. The hope for Cold Fusion, or what had been designated as the 'Holy Grail' of energy, was short-lived. Independent laboratories were unable to quickly replicate the Fleischmann/Pons claims of excess heat, a process by which more heat energy is released than the electrical energy needed to create the reaction.

Their announcement was ridiculed, their reputations ruined, and the search for Cold Fusion was cast aside by established scientists and branded "pathological" or "junk" science by the media. With the global economy in turmoil and the Obama administration committed to funding the discovery of new clean energy sources, '60 Minutes' revisits the search for Cold Fusion, including the breakthroughs reported by Energetics Technologies:

Seven years of research, quietly achieved with tens of millions of dollars in private funding and independently replicated in two of the most prestigious laboratories in the world Historic results achieving excess heat of 2,500%+

A pioneering technology that may prove to be a revolutionary approach to the generation of clean, abundant energy

For More Information

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Energetics Technologies LLC Hosts ICCF-15 - October 5, 2009 at Castel Sant'Angelo Rome, Italy
March 26, 2009

Energetics Technologies LLC, a leading pioneer in a new generation of potential clean, abundant energy through its proprietary SuperWave™ Fusion, is proud to host the opening night reception and dinner at the 15th International Conference On Condensed Matter Nuclear Science in Rome, Italy, October 5-9, 2009.

Energetics' General Manager and Co-Founder, Shaul Lesin, Ph.D., is serving as Co-Chairman of the conference. According to Energetics' CEO, Alison Godfrey, the gathering in Rome may be the most important in the history of the organization. "The breakthroughs being accomplished in LENR are stunning. Given the new emphasis the Obama administration is placing on new energy alternatives research, ICCF-15 should be an extraordinary event", says Godfrey.

For more information on ICCF-15 please visit their website at:

<http://iccf15.frascati.enea.it/>

Dardik Awarded 2008 Preparata Medal

November 25, 2008

Washington, D.C. - Dr. Irving Dardik has been awarded the prestigious Preparata Medal for 2008. The honor, named after the late Italian physicist, Giuliano Preparata, is awarded annually for contributions to progress in Condensed Matter Nuclear Science.

Dr. Dardik, with a career of over 40 years investigating the wave nature of living systems and energy, is the inventor of Energetics Technologies' critical and proprietary SuperWave™ excitation technology. With over ten years of direct involvement in Low-Energy Nuclear Reaction (LENR) research, Dr. Dardik is world-renowned for his many innovative contributions to the field. He is the author of many papers on the research and holds numerous patents related to the applications of Energetics Technologies' SuperWaves™ in various and diverse fields.

In 1972, early in his medical career and while in private practice as a vascular surgeon, Dr. Dardik invented the Dardik Biograft™, a vascular bypass graft that uses tissue from the umbilical cord. This innovative technique earned Dr. Dardik the American Medical Association's most prestigious award for research, the Hektoen Gold Medal, in 1977.

Dr. Dardik is a true maverick and a thinker of vast proportions. His background includes an illustrious career as a vascular surgeon, almost a decade of work with the U.S. Olympic Committee's Sports Medicine Council (which he founded), an award-winning career as an amateur sprinter, and the culmination of all of this – Dardik's formulation of Energetics Technologies' SuperWave Principle.

EVOLVING SCIENCE

Energetics Technologies owns critical and proprietary technology necessary for the highest possible product energy gain and output power. That technology is known as SuperWaves™. The principle behind SuperWaves™ technology was developed by Dr. Dardik over a career of 40 years, observing that the “waves waving within waves” phenomenon interacted with virtually all aspects of nature. After more than six years of development by Energetics Technologies personnel, via a combination of theoretical and experimental research, the technology has now reached the phase where we are ready to move the research towards the design and engineering of the product, to be followed by full commercialization.

By conducting the research using Dr. Dardik’s principle, Dr. Dardik and our research team developed a unique stimulation methodology, coined as SuperWave™ excitation. This “waves-waving-within-waves” stimulation, when applied to electrolytic cells, dramatically enhanced the generation of excess heat as compared to previous experiments by others.

In 2007, at the Energetics Technologies laboratories in Israel, the use of electrical SuperWave™ stimulation, in combination with ultrasound stimulation, produced excess heat of significant amounts in 82% of the cells. Using SuperWave™ electrical stimulation alone, world-renowned independent laboratories SRI, in Menlo Park, CA, and ENEA in Frascati, Italy, achieved 73% reproducibility and 60% reproducibility, respectively. The reason for this extraordinary enhancement of reproducibility is that the complex SuperWaves™ enhance the loading of deuterium into the palladium and effectively excites the palladium deuterium system. The SuperWaves™ interactions intensify the resulting excess heat.

The use of SuperWave™ excitation appears to produce more power gain than has ever been reported before. In conjunction with the extraordinary rates of reproducibility, replicated in the two independent laboratories, this is nothing short of a monumental commercial opportunity premised upon what may prove to be one of the most significant technological breakthroughs of our time.

The SuperWaves™ Principle

The core concept behind SuperWaves™ is a unique theory developed by Dr. Dardik, one of the company’s founders. That theory, at its most basic, takes one of the principal concepts of Quantum Physics, that all matter is a wave-based energy phenomenon, and extends it dramatically. Dr. Dardik has observed through extensive years of work and research with biological and other physical systems, that all of nature can be regarded as manifesting itself as complex wave-based fields. Within each field there is a primary oscillating carrier wave with other oscillating waves riding atop that, on top of further waves riding atop those, and so on - in a fractal-like layering of “waves waving within waves.”

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Turning the Universe on its Head

According to general relativity, gravity is a force that results from the bending of spacetime which accompanies a massive object. However, SuperWaves are both the force and the object, so a greater bending of spacetime is a more massive object.

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Spacetime in Motion

Traditionally, spacetime is depicted as being a static plane with gravity warping its fabric. SuperWaves are a continuum of waves which is constant motion interacting as both force and fabric.

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SuperWaving

SuperWaves are a continuum of nested waves waving within waves. As a larger carrier wave increases in amplitude and frequency, such as the green or blue waves, the nested waves within it increase in amplitude and frequency themselves. However this relationship is both top-down and bottom-up, meaning that as nested waves increase in amplitude and frequency, so do their larger carrier waves. This self-similar relationship translates to increased density, stability, and organization in the peaks which we call clustering. Likewise as the larger wave begins to collapse, the smaller, nested waves within it begin to collapse as well. This “dispersion” of waves reduces organization, stability, and density.

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SuperWaving as a Continuum

SuperWaves are inherently continuous –not separate from each other in any way. This simplistic depiction shows that as SuperWaves increase in frequency and amplitude from all directions, there is an exponential increase in organization, density, and stability, which can result in the formation of matter. This motion occurs as a continuum, simultaneously across scales, explaining “action at a distance” among other scientific anomalies.

COMMERCIALISATION

Closed cell used at SRI and NRL for Phase 2 replication.

Energetics Technologies is currently seeing reproducible excess heat generation results. The company's management anticipates that its proprietary SuperWave™ Fusion research trajectory is on a path to product development and commercialization—the key to bringing this revolutionary technology to market as quickly as possible.

As the ultimate in clean energy, many markets have been considered for the first rollout of products. Adhering to the fastest time-to-market agenda, Energetics Technologies has selected residential and commercial building hot water and space heating systems as its first target markets.

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